

WHAT IS CLAIMED IS:

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B1 B2 B3

1. A multi-piece solid golf ball comprising a core consisting of an inner core and an outer core formed on the inner core, and one or more layers of cover covering the core,

wherein the inner core has a diameter of 30 to 40.4 mm, and a surface hardness in JIS-C hardness of 60 to 85, and a center hardness in JIS-C hardness of the inner core is lower than the surface hardness by 5 to 30, and

the outer core has a thickness of 0.2 to 1.3 mm, and a surface hardness in JIS-C hardness of the outer core is lower than the surface hardness of the inner core by 2 to 30.

2. The multi-piece solid golf ball according to Claim 1, wherein the outer core is formed from a rubber composition comprising polybutadiene, a co-crosslinking agent, an organic peroxide and a filler.

3. The multi-piece solid golf ball according to Claim 2, wherein the co-crosslinking agent for the outer core is magnesium methacrylate.

4. The multi-piece solid golf ball according to Claim 1, wherein the outer core has a thickness of 0.2 to 0.9 mm.

5. The multi-piece solid golf ball according to Claim 1, wherein the outermost layer of the cover has a

thickness of 1.0 to 3.0 mm and a surface hardness in Shore
D hardness of 58 to 75.

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